‘Skyping’ Problem Solving Tasks to Improve Fraction Instruction

Professor Kim Hartweg
Department of Mathematics
Western Illinois University

Abstract
I will share open response fraction problem solving tasks from mathematics education research that involved using Skype technology to connect a fifth grade classroom with pre-service teachers in a math methods course. These tasks align with the new 3rd-5th grade fraction progressions and mathematical practices for the common core state standards in mathematics. Preliminary results involving students’ ability to decompose fractions will be shared.